

CLAIMS

We claim:

1. A method comprising:

5 a) extending a shaft of a cash dispensing automated banking machine, in a cylindrical opening in a body of a banking machine roller;

b) moving the shaft relative to the cylindrical opening to engage at least one radially inward extending deformable finger connected to the body, in an annular recess of the shaft, wherein engagement of the at least one finger in the annular recess is operative to resist axial movement of the banking
10 machine roller relative to the shaft.

2. The method according to claim 1 wherein the at least one finger extends adjacent a first axial end of the body, and further comprising:

15 c) moving the shaft relative to the cylindrical opening to engage an annular flat surface adjacent a second axial end of the body opposed of the first end, with a radially outward extending annular step surface on the shaft.

3. The method according to claim 2 wherein the annual flat surface engages the step surface in (c), when the at least one finger extends in the annular recess in (b).

4. The method according to claim 3 wherein the at least one finger is inwardly biased and extends axially outward from the first end, and further comprising:

5 d) rotating the roller relative to the shaft with the at least one finger extending in the annular recess.

5. The method according the claim 4 wherein the body has in connection therewith a plurality of radially inward extending fingers, wherein (d) a plurality of fingers move in the annular recess.

10 6. The method according to claim 5 and further comprising:

e) engaging the shaft in supporting connection with the housing of an automated banking machine.

7. The method according to claim 6 wherein (e) includes engaging the shaft in a pair of disposed generally vertically extending angled slots.

8. The method according to claim 7 and further comprising:
 - f) supporting a continuous belt on the roller.
9. The method according to claim 8 and further comprising:
 - 5 g) moving the continuous belt wherein the roller rotates relative to the shaft (d) responsive to movement of the belt.
10. The method according to claim 9 and further comprising:
 - h) engaging a deposit envelope with the belt.
11. The method according to claim 10 and further comprising:
 - 10 i) moving the shaft relative to the at least one slot responsive to engagement of the deposit envelope with the belt.
12. The method according to claim 11 and prior to (e) further comprising:

j) extending the shaft in a further cylindrical opening in a further body of a further banking machine roller;

5 k) moving the shaft relative to the further cylindrical opening to engage at least one further radially inward extending finger connected to the further body in a further annular recess of the shaft, wherein engagement of the at least one further finger with the further annular recess is operative to resist axial movement of the further roller relative to the shaft.

13. The method according to claim 12 wherein the further finger extends adjacent a further first axial end of the further body, and further comprising:

10 l) moving the shaft relative to the further cylindrical opening to engage a further annular flat surface adjacent a further second axial end of the further body opposed of the further first end, and a further radially outward extending annular step surface on the shaft.

14. The method according to claim 13 wherein the further annular flat surface engages the further step surface in (l) wherein the at least one further finger extends the further annular recess in (k).

15. The method according to claim 14 wherein in (b) the shaft moves relative to the cylindrical recess in a first axial direction, and wherein in (k) the shaft moves relative to the further cylindrical recess in a second axial direction opposed of the first axial direction.

16. The method according to claim 15 and further comprising:

5 rotating the further roller relative to the shaft with the at least one further finger in the further annular recess.

17. An apparatus comprising:

a roller adapted to be used in a cash dispensing automated banking machine, including:

10 a body, wherein the body includes a cylindrical opening therethrough, wherein the opening is adapted to accept a shaft of the banking machine therein;

a plurality of radially inward extending deformable fingers in fixed supporting connection with the body adjacent a first end of the cylindrical

opening, wherein the fingers are adapted to engage an annular recess on the shaft and to hold the roller from moving axially relative to the shaft.

18. The apparatus according to claim 17 wherein each of the fingers extend both radially inward and axially outward in a first direction relative to the body, wherein the fingers 5 when engaged in the annular recess resist movement of the body in the first direction relative to the shaft.

19. The apparatus according to claim 18 and further comprising an annular flat surface adjacent a second end of the body opposed of the first end, wherein the annular flat surface is adapted to engage a radially outward annular step surface on the shaft.

10 20. The apparatus according to claim 19 and further comprising:

the shaft and wherein the shaft includes the annular recess and annular step surface, wherein the roller is rotatable in supporting connection with the shaft and held in axial position relative to the shaft,

15 an automated banking machine including a housing, wherein the shaft is movably mounted in supporting connection with the housing, and a continuous belt in operative engagement with the roller.